

Figure 2 (FER-108). Special Studies Zones Map of Dublin quadrangle, annotated to show sources of data used to establish the zones for the Calaveras and Verona faults. Also shows locations of trenches and other excavations.

EXPLANATION

- Burkland & Assoc (1972)
Ford (1970)
Hall (1958)
Levish (1973)
Smith (1973)
- Sources of fault-trace data used to compile SSZ map.
- Locations of trenches and other excavations. Red line indicates trace of recently active fault reported (numbered citations identify reports on file with CDMG, San Francisco District; see Table for trench descriptions).



MAP EXPLANATION

Potentially Active Faults

Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect consecutively numbered turning points so as to define one or more special studies zone segments.

Seaward projection of zone boundary.

STATE OF CALIFORNIA
SPECIAL STUDIES ZONES

Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code

DUBLIN QUADRANGLE

OFFICIAL MAP

Effective: July 1, 1974

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IMPORTANT - PLEASE NOTE

- 1) This map may not show all potentially active faults, either within the special studies zones or outside their boundaries.
- 2) Faults shown are the basis for establishing the boundaries of the special studies zones.
- 3) The identification of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
- 4) Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.

REFERENCES USED TO COMPILE FAULT DATA

Dublin Quadrangle

- Brown, R.D., Jr., 1970. Faults that are historically active or that show evidence of geologically young surface displacement, San Francisco Bay Region: U.S. Geological Survey Miscellaneous Field Studies Map MF-331.
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- Ford, R.S., et al., 1970. Livermore and Sunol Valleys, evaluation of ground water resources through 1968. California Department of Water Resources, Memorandum Report (modified by R.S. Ford, 1973, personal communication).
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- Hall, C.A., Jr., 1958. Geology and paleontology of the Pleasanton area, Alameda and Contra Costa Counties, California. University of California Publications in Geological Sciences, v. 34, no. 1, p. 1-90.
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- Radbruch, D.H., 1968. New evidence of historic fault activity in Alameda, Contra Costa, and Santa Clara Counties, California in *Proceedings of Conference on Geologic Problems of San Andreas Fault System*. Stanford University Publications in Geological Sciences, v. 11, p. 46-54.
- Smith, T.C., 1973, unpublished field mapping and air photo interpretations, California Division of Mines and Geology.